

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A target for photogrammetric analytic measurement, ~~which is photographed with an object by a camera in said photogrammetric analytic measurement,~~ said target comprising:

a first bar and a second bar that are connected to each other and configured to be photographed with an object to provide a photogrammetric analytic measurement;

at least three standard point members that are fixed on said first bar and said second bar, said at least three standard point members lying on one plane; and

non-reflecting members that are respectively attachable to and removable from said at least three standard points point members.

2. (Currently Amended) A target for photogrammetric analytic measurement, which is photographed with an object by a camera in said photogrammetric analytic measurement, said target comprising:

a first bar and a second bar that are connected to each other;

at least three standard point members that are fixed on said first bar and said second bar, said at least three standard point members lying on one plane; and

non-reflecting members that are respectively attachable to and removable from said at least three standard point members,

The target of claim 1, wherein said at least three standard point members respectively comprise a circular portion, a diameter of which substantially equals a width of said first bar and said second bar.

3. (Original) The target of claim 2, wherein each of said non-reflecting members comprises a circular plate defining a circular opening, a diameter of which substantially equals said diameter of said circular portion of said at least three standard point members.

4. (Currently Amended) The target of claim 3, wherein a reflecting sheet, by which ~~a reflecting~~ an amount of incident light ~~thereon~~ reflected is increased, is attached on a surface of said circular portion, and a non-reflecting sheet, by which ~~a reflecting~~ an amount of incident light ~~thereon~~ reflected is reduced, is attached on a surface of said non-reflecting members, said surface of said circular portion and said surface of said non-reflecting members being on a side opposite to a side of said first bar and said second bar, when said non-reflecting members are respectively attached to said standard point members.

5. (Original) The target of claim 4, wherein said reflecting sheet and said non-reflecting sheet are positioned on said one plane.

6. (Original) The target of claim 3, wherein one of each of said at least three standard point members and each of said non-reflecting members comprises a ferromagnet; and

wherein another of each of said at least three standard point members and each of said non-reflecting members comprises a magnetic material.

7. (Original) The target of claim 6, wherein each of said at least three standard point members comprises a magnet that is ring shaped, a center point of which is coincident with a center point of said circular portion; and

wherein each of said non-reflecting members comprises a metal material that is attached to said magnet by magnetic force, said metal material being placed around said circular opening, on a surface opposite to said surface to which said non-reflecting sheet is attached.

8. (Currently Amended) The target of claim 6, wherein said standard point members define a reference plane, said target further comprising:

a first tilt sensor that senses a first tilt angle with respect to a horizontal plane around about a first axis on said reference plane;

a second tilt sensor that senses a second tilt angle with respect to said horizontal plane around about a second axis which is perpendicular to said first axis, on said reference plane;

an azimuth sensor that senses an azimuth; and

a transmitter that wirelessly transmits data of said first tilt angle, said second tilt angle and said azimuth by wireless.

9. (Original) The target of claim 8, wherein each of said non-reflecting members comprise an electrically conductive material.

10. (Currently Amended) The target of claim 8, wherein said azimuth sensor is placed positioned between an adjacent two of said at least three standard point members, which are adjoining.

11. (Currently Amended) A target for photogrammetric analytic measurement, which is photographed with an object by a camera in said photogrammetric analytic measurement, said target comprising:

a first bar and a second bar that are connected to each other;
at least three standard point members that are fixed on said first bar and said second bar, said at least three standard point members lying on one plane; and
non-reflecting members that are respectively attachable to and removable from said at least three standard point members,

~~The target of claim 1, wherein one end of said first bar and is rotatably connected to one end of said second bar;~~

wherein when said target is in an operational position, said first bar and said second bar are fixed such that said first bar and said second bar are perpendicular to each other; and

when said target is not in the operational position, said first bar and said second bar are fixed such that said first bar and said second bar are substantially parallel to each other.

12. (Currently Amended) The target of claim 11, further comprising:

a fixing member that fixes a ~~relational position~~ positional relationship between said first bar and said second bar such that said first bar and said second bar are perpendicular to each other, when said target is in said operational position;

a hinge that rotatably connects said fixing member to said first bar; and
a lock hinge by which said fixing member is attachable to and removable from said second bar.

13. (Original) The target of claim 12, further comprising:

a first fixing mechanism that fixes said second bar to said first bar such that said second bar is parallel to said first bar when said target is not in said operational position; and

a second fixing mechanism that fixes said fixing member to said first bar such that said fixing member is placed between said first bar and said second bar when said target is not in said operational position.

14. (New) The target of claim 11, wherein said at least three standard point members respectively comprise a circular portion, a diameter of which substantially equals a width of said first bar and said second bar.

15. (New) The target of claim 1, wherein one end of said first bar is rotatably connected to one end of said second bar;

wherein when said target is in an operational position, said first bar and said second bar are fixed with respect to each other such that said first bar and said second bar define a predetermined angle with respect to each other; and

when said target is not in the operational position, said first bar and said second bar are fixed to each other such that said first bar and said second bar define another predetermined angle with respect to each other.

16. (New) The target of claim 1, wherein one of each of said at least three standard point members and each of said non-reflecting members comprises a ferromagnet; and

wherein another of each of said at least three standard point members and each of said non-reflecting members comprises a magnetic material.

17. (New) The target of claim 1, further comprising at least one angle sensor and a transmitter configured to wirelessly transmit data output by said at least one angle sensor to a receiver.

18. (New) The target of claim 1, wherein the first and second bars are configured to be positionable in an operative orientation and in an inoperative orientation, the first and second bars being fixedly positioned with respect to each other in the operative orientation.

19. (New) The target of claim 11, wherein at least one of said at least three standard point members is positioned on different ones of said first bar and said second bar.

20. (New) The target of claim 2, wherein one end of said first bar is rotatably connected to one end of said second bar;

wherein when said target is in an operational position, said first bar and said second bar are fixed with respect to each other such that said first bar and said second bar define a predetermined angle with respect to each other; and

when said target is not in the operational position, said first bar and said second bar are fixed to each other such that said first bar and said second bar define an other predetermined angle with respect to each other.